VI. <u>ABSTRACT</u>

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A method for slowing and controlling a beam of charged particles includes the steps of superimposing at least one magnetic field on a mass and passing the beam through the mass and at least one magnetic field such that the beam and the mass slows but does not stop the particles. An apparatus for slowing and controlling a beam of charged particles includes a bending magnetic field superimposed on a focusing magnetic field within a mass.